

***CHAPTER 3***

***PROJECT EVALUATION  
AND RECOMMENDATIONS***

## **Chapter 3      Project Evaluation and Recommendation**

### **3-1      Project Effect**

The implementation of the Project will bring the following effects to the people in Matara.

#### (1) Direct Effect

- Although the coastal urban area in Matara is currently served by water supply, the water demand is ever-increasing due to an increase in population and per capita daily consumption. NWS&DB operates the water supply system so as to distribute water throughout the existing service area by limiting the water supply time by area as well as controlling the applications for new connection, however the people have lots of complaints against the present status of a water supply system.
- On the other hand, there is no water supply system in the inland rural area. The residents who have no well rely their water source on the wells of neighbours. Those people will be able to use safe water by providing a service reservoir and distribution network in the Project.
- In the inland rural area, the low income is released from the heavy burden for house connection by installing the communal faucets in the Project and payment for water rate will be less than house connection users.

#### (2) Indirect Effect

- The well water (ground water) in the inland rural area is apt to be dried up in the drought season and is not good in quality for drinking. For this reason, women and children are forced to fetch water from deep wells far away from their houses. By the implementation of the Project, the people will be able to get safe water from a water supply system and benefits such as a decrease in morbidity of water-borne diseases and reduction in water-fetching time of women and children will be expected.

The effect and the extent of improvement of the present status by the Project implementation is summarized as shown in Table 3.1.

**Table 3.1 Effect of Project Implementation and Extent of Present Status Improvement**

<b>Present Status</b>	<b>Measures in the Project</b>	<b>Effect by the Project</b>
Insufficient water supply in the coastal urban area	Construction of a new water supply system with a capacity of 15,000 m <sup>3</sup> /day	Improvement of water supply time from present 12 to 20 hours to 24 hours by the target year of 2009  (Beneficiary: 199,415)
Less served population by water supply	Expansion of service area to the inland rural area	There will be an increase in served population.  (Beneficiary: 28,655)
High morbidity of water-borne diseases	Expansion of service area to the inland rural area	The occurrence cases of dysentery and typhoid fever will be decreased.
Women and children are engaged in water-fetching work.	Expansion of service area to the inland rural area	Water supply by individual or communal faucets will be available. Women and children will use the water-fetching time for more productive activities.
Many low income residents in the inland rural area	Installation of communal faucets in the low income area	The people will be released from heavy burden for house connection and use a water supply system at ease.

### **3-2 Recommendation**

To achieve the objectives of the Project and to maximize the effects of the Project, it is necessary to take the following measures by the Sri Lanka side.

(1) Before the Project implementation

- To assure the budget for works to be borne by the Sri Lanka side
- To coordinate other agencies concerned for smooth implementation of the Project

(2) During the Project implementation

- To organize the Project team in NWS&DB from the stage of detailed design, study the contents of the Project and to master the technology to be required.

(3) After the Project implementation

- To collect the water rate firmly, which is the financial resource of operation and maintenance of water supply facilities.
- To reinforce the existing clear water transmission system along the coastal belt through the additional pipe-laying and pump replacement
- To continue the provision of distribution pipes in the service area
- To organize the community-based management system of communal faucets for smooth water rate collection
- To conduct the non-revenue water (NRW) reduction programme

